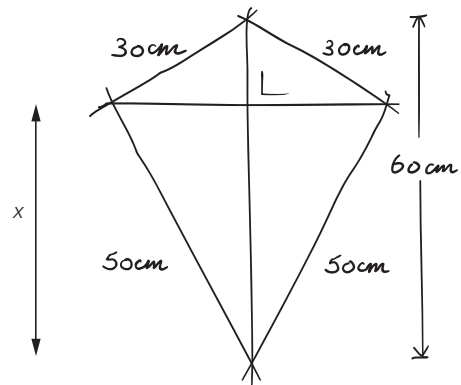


GM177 Cerfs-volants*Cerf-volant de Luce*

$$50^2 - x^2 = 30^2 - (60 - x)^2$$

$$\text{Donc } x = \frac{130}{3} \text{ cm}$$

$$\Rightarrow A = 2 \cdot \frac{60 \cdot \sqrt{50^2 - x^2}}{2} = 400 \cdot \sqrt{14} \approx 1497 \text{ cm}^2$$

*Cerf-volant de Martine*

$$50^2 - x^2 = 30^2 - (50 - x)^2$$

$$\text{Donc } x = 41 \text{ cm}$$

$$\Rightarrow A = 2 \cdot \frac{50 \cdot \sqrt{50^2 - x^2}}{2} = 150 \cdot \sqrt{91} \approx 1431 \text{ cm}^2$$

